

What is claimed is:

1. A method of ensuring crop treatment compatibility, said method comprising:

receiving crop treatment information at a computer system, said crop treatment information comprising a real-time location of a crop treatment applicator and a description of a crop treatment resident in said crop treatment applicator;

accessing, by said computer system, planted crop information for a planted field which encompasses said real-time location, said planted crop information comprising a description of a planted crop in said planted field and a second planted crop in a field bordering said planted field, and said planted crop information further comprising actual real-time growth information of said planted crop obtained subsequent planting of said planted crop; determining, by said computer system, whether said crop treatment is compatible with application to said planted crop and with said second planted crop in the field bordering said planted field, wherein said determining is based on said growth information of said planted crop in said planted field; and

in response to determining said crop treatment is not compatible with application to any one of said planted crop and said second planted crop, initiating, in real-time from said computer system, a crop treatment incompatibility action, said crop treatment incompatibility action comprising sending a real-time notification of crop treatment incompatibility from said computer system to a crop treatment application company, and further in response to determining said crop treatment is not compatible with application to any one of said planted crop and said second planted crop said crop treatment is prevented from being or is ceased from being dispersed from said crop treatment applicator to said any one of said planted crop and said second planted crop.

2. The method as recited in claim 1, further comprising:

in response to determining said crop treatment is compatible with said planted crop, initiating, in real-time from said computer system, a crop treatment compatibility action.

3. The method as recited in claim 2, wherein said initiating, in real-time from said computer system, a crop treatment compatibility action comprises:

sending a real-time notification of crop treatment compatibility from said computer system to an entity selected from the group of entities consisting of: an owner of said planted field, a farmer of said planted field, an operator of said crop treatment applicator, a crop treatment application company, a crop insurance company, and a reporting agent coupled with said crop treatment applicator.

4. The method as recited in claim 2, wherein said initiating, in real-time from said computer system, a crop treatment compatibility action comprises:

sending a real-time enable command to a reporting agent coupled with a control system of said crop treatment applicator, said enable command configured to cause said control system to enable application of said crop treatment.

5. The method as recited in claim 1, further comprising:

in response to determining said crop treatment is compatible with all of said bordering planted fields, initiating, in real-time from said computer system, a bordering field crop treatment compatibility action.

6. The method as recited in claim 1, wherein said receiving crop treatment information at a computer system comprises:

receiving said crop treatment information from a reporting agent coupled with said crop treatment applicator.

7. The method as recited in claim 1, wherein said accessing, by said computer system, planted crop information for a planted field which encompasses said real-time location comprises:

accessing, by said computer system, said planted crop information from a database, wherein said description of said planted crop in said planted field comprises: a type of crop seed planted in said planted field, and an age of said planted crop.

8. The method as recited in claim 1, wherein said determining, by said computer system, whether said crop treatment is compatible with application to said planted crop comprises:

evaluating said planted crop information and said crop treatment information for compatibility based upon one or more stored compatibility rules resident in said computer system.

9. The method as recited in claim 1, wherein said initiating, in real-time from said computer system, a crop treatment incompatibility action further comprises:

sending a real-time notification of crop treatment incompatibility from said computer system to an entity selected from the group of entities consisting of: an owner of said planted field, a farmer of said planted field, an operator of said crop treatment applicator, a crop insurance company, and a reporting agent coupled with said crop treatment applicator.

10. The method as recited in claim 1, wherein said initiating, in real-time from said computer system, a crop treatment incompatibility action further comprises:

sending a real-time disable command to a reporting agent coupled with a control system of said crop treatment applicator, said disable command configured to cause said control system to disable application of said crop treatment.

11. A crop treatment compatibility system, said system comprising:

a crop treatment compatibility determiner disposed in a computer system, said crop treatment compatibility determiner configured for:

receiving crop treatment information comprising a real-time location of a crop treatment applicator and a description of a crop treatment resident in said crop treatment applicator; and

determining if said crop treatment is compatible with a planted crop in a planted field which encompasses said real-time location and with said second planted crop in a field bordering said planted field;

a database coupled with said crop treatment compatibility determiner and configured with planted crop information for a plurality of planted fields including said planted field which encompasses said real-time location and said field bordering said planted field, said planted crop information comprising a description of planted crops in each of said plurality of planted fields, and said planted crop information further comprising actual real-time growth information of said planted crop obtained subsequent planting of said planted crop; and

a crop treatment action initiator disposed as a portion of said computer system, coupled with said crop treatment compatibility determiner, and configured for initiating, in real-time from said computer system, a crop treatment incompatibility action in response to said crop treatment compatibility determiner determining that said crop treatment is not compatible with application to any one